MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

September 1948

ROBERT W. SLOANE, DIRECTOR

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WEATHER BUREAU

SEPTEMBER 1948

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. + ...				Thermometer Degrees Centigrade					
	8.30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	56.3	56.1	56.6	56.3	32.5	23.3	29.2	31.4	26.0	28.9
2	7.9	7.9	8.2	8.0	31.1	22.2	28.8	30.4	25 6	28.3
3	8.1	7.9	8.5	8.2	30.5	22.2	27.2	29.4	24.1	26.9
4	9.1	8.7	8.9	8.9	30.3	24.1	27.9	28.8	24.9	27.2
5	8.8	7.7	7.4	8.0	31.4	23.6	28.8	31.0	26.2	28.7
6	57.1	56.0	56.4	56.4	31.3	22.5	27.7	30 5	24.9	27.7
7	6.2	5.5	6.2	6.0	31.8	22.5	28.0	30.8	25.1	28.0
8	7.2	6.5	7.1	6.9	31.4	22.5	27.9	30.6	24.8	27.8
9	7.5	7.3	8.0	7.6	31.4	22.3	27.6	30.5	24.8	27.6
10	8.5	7.6	7.9	8.0	30 7	23.8	28.1	30.1	25.8	28.0
11	57.8	56.5	57.1	57.1	30.5	22.2	28.1	29.9	24.9	27.6
12	7.1	6.9	7.8	7.3	30.2	22.2	26.3	28.9	24.8	26.7
13	8.8	8.3	9.6	8.9	29.5	22.5	25.7	27.7	24.1	25.8
14	8.0	9.7	60.5	9.4	29.7	21.9	27.2	28.9	24.1	26.7
15	60.5	9.2	59.5	9.7	30.3	22.5	26.8	29.6	24 6	27.0
16	58.8	57.8	58.0	58.2	30.8	21.9	27.4	29.9	24.1	27.1
17	7.3	6.4	6.7	6.8	30.3	22.1	27.3	29.4	23.9	26.9
18	8.4	8.2	8.9	8.5	30.1	21.9	26.6	29.2	24.1	26.6
19	9.7	9.4	9.5	9.5	30.1	21.7	26.7	29.4	24.6	26.9
20	9.0	8.0	8.0	8.3	31.1	22.3	27.2	30.5	25.4	27.7
21	58.5	58.0	58.5	58.3	29.7	22.5	27.3	28.9	24.3	26.8
22	9.5	9.2	60.0	9.6	29.6	21.6	26.3	27.7	24.4	26.1
23	9.7	8.5	59.1	9.1	29.6	24.0	26.0	28.9	24.9	26.3
24	9.1	7.4	6.4	7.6	29.6	23.6	27.1	29.3	26.1	27.8
25	7.5	6.3	5.8	6.5	30.2	23.9	27.3	29.4	26.6	27.8
26	56.4	53.5	55.0	55.0	31.6	23.9	27.6	29.8	25.7	27.7
27	6.1	6.3	7.6	6.7	30.9	23.8	27.7	29.9	25.6	27.7
28	9.6	9.4	60.4	9.8	28.3	22.8	26.0	28.3	23.3	25.9
29	61.4	60.6	1.2	61.0	28.6	22.9	23.8	27.4	23 8	25.0
30	1.1	0.6	0.4	0.7	28.8	21.4	25.0	26.6	23.8	25.1
31										
	58.36	57.71	58.17	58.08	30.36	22.69	27.15	29.44	24.84	27.14

Barometer, range for month 761.4 — 753.5 mm.
,, 71-yr. average for month 758.74 mm.
Thermometer, range for month 32.5°C — 21.4°C
,, 71-yr. average for month 27.209°C.
Rain, total for month 26.41 mm.
,, 71-yrs. average for month 6.19 mm.
,, Tolal, Sept. 1st. to end of month 26.41 mm.
,, 71-yr. average, Sept. 1st. to end of month 6.19 mm.

SEPTEMBER 1948

METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				Sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	32.0	35.5	32.3	33.3	77	78	95	83	11.0	420.0	
2	30.9	31.1	28.3	30.1	78	71	86	78	10.2	398.0	
3	28.9	31.2	26.8	29.0	82	76	91	83	11.2	317.0	18.03
4	28.7	28.6	27.3	28.2	77	72	86	78	11.4	296.0	
5	30.1	34.7	33.1	32.6	75	77	97	83	11.6	444.0	
6	31.0	36.8	30.9	32.9	83	84	97	88	11.5	327.0	
7	31.7	37.1	30.9	33.2	84	82	97	88	10.5	183.0	
8	31.7	37.5	30.2	33.1	86	86	96	98	10.1	84.0	
9	31.7	35.1	30.2	32.3	84	80	97	87	9.8	222.0	
10	30.5	32.3	27.6	30.1	80	75	84	80	7.9	274.0	
11	28.3	29.2	27.3	28.3	73	69	85	76	9.1	393.0	
12	26.3	28.9	24.8	26.7	81	74	83	79	7.9	446.0	1.52
13	25.7	27.7	24.1	25.8	86	83	95	88	8.0	222.0	6.86
14	29.9	33.2	27.5	30.2	83	83	93	86	9.4	151.0	
15	28.2	32.0	28.5	29.6	80	78	93	84	9.9	298.0	
16	28.4	31.5	28.9	29.6	77	75	97	83	9.8	235.0	
17	24.9	32.0	28.2	28.4	70	78	96	81	10.2	101.0	
18	30.3	32.8	28.9	30.7	87	80	96	88	9.7	151.0	
19	29.6	34.4	29.9	31.3	88	83	97	89	9.5	402.0	
20	31.4	33.5	29.8	31.6	87	76	91	85	9.3	454.0	
21	30.7	29.3	27.1	29.0	86	74	88	83	9.0	235.0	
22	27.2	28.7	25.0	27.0	79	76	82	79	9.6	164.0	
23	26.5	30.1	30.2	28.9	78	76	94	83	9.4	613.0	
24	27.0	34.4	33.9	31.8	75	84	99	86	9.2	679.0	
25	32.2	37.7	35.0	35.0	90	91	99	93	9.2	295.0	
26	32.5	38.1	32.8	34.5	87	89	99	92	8.9	367.0	
27	30.2	35.6	28.3	31.4	81	84	87	84	9.1	423.0	
28	25.1	27.5	25.2	25.9	75	71	87	78	7.3	142.0	
29	24.8	26.3	23.3	24.8	82	73	81	79	8.8	129.0	
30	24.6	24.6	24.1	24.4	77	70	82	76	5.8	167.0	
	29.03	32.25	28.68	29.99	80.9	78.3	91.7	83.6	9.48	301.13	0.880

Height of Barometer above sea level: 33.7 meters.

,, ,, Thermometers above ground:

Dry and wet 1.55 m.; Max. 1.75 m.; Min. 1.70 m.

Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.

Time of reading minus 2 hours equal G.C.T.

71year averages are for period, 1875-1945

SEPTEMBER 1948
METEOROLOGICAL REGISTER

Date	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8.30	14:30	20:30	Mean	8:30	14:30	20:30		
1	3cu	4cu	2cu	3.0	2sw	2sw	1sw	slight	
2	3cu	2cu	1cu	2.0	2sw	2sw	1sw	„	
3	5cu-ni	4cu	0	3.0	2sw	1w	0	„	
4	2cu	0	0	0.7	1sw	1sw	0	„	
5	0	0	0	0.0	2ne	2ne	1ne	„	
6	0	0	0	0.0	1nw	1ne	0	light	
7	0	1cu-ci	0	0.3	1sw	1nw	0	„	
8	0	0	0	0.0	1w	1w	0	calm	
9	0	0	0	0.0	1sw	1w	0	„	
10	3cu	5cu	8cu	5.3	1sw	1w	0	light	
11	4cu	2cu-ci	9cu-ni	5.0	2w	2sw	0	slight	
12	5cu	0	3cu	2.7	1sw	1sw	1sw	„	
13	9cu-ni	4cu	3cu	5.3	2sw	1nw	1nw	„	
14	0	0	0	0.0	1sw	1nw	0	light	
15	0	0	0	0.0	1ne	1ne	0	„	
16	0	0	0	2.7	1ne	1ne	1ne	light	
17	0	0	0	4.0	1ne	1nw	0	calm	
18	0	0	0	0.7	1sw	1nw	0	light	
19	0	0	0	0.0	1sw	1sw	0	„	
20	0	0	0	0.0	3sw	1w	1sw	„	
21	2cu	3cu	3cu	2.7	2sw	1w	0	light	
22	3cu	2cu	7cu	4.0	1sw	1nw	0	„	
23	0	0	2cu	0.7	1s	2ne	2ne	slight	
24	0	0	0	0.0	3ne	3ne	3ne	„	
25	0	0	0	0.0	0	1nw	0	light	
26	3cu-ci	0	1cu	1.3	1sw	2ne	1sw	slight	
27	0	2cu-ci	10st	1.0	2sw	2sw	1sw	„	
28	6cu	1cu	1cu	2.7	2sw	1nw	1nw	„	
29	2cu	0	1cu	1.0	0	2nw	1nw	„	
30	6cu	7cu-ci	7cu	6.7	1w	1w	1sw	light	
31									
				1.58					

* Abbreviations :— G = gale; H = haze; M = mist; T = thunderstorm; D = dew. W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	0	5	0	0	1	18	3	1	2	30
14:30	0	7	0	0	0	7	7	9	0	30
20:30	0	4	0	0	0	7	0	3	16	30
Total	0	16	0	0	1	32	10	13	18	90

Number of days with rain 3, fog 0, thunderstorms 0, gale 0.

71 yr. av. number of days with rain during month 1.13